

1/25

LINE	FEXT	NEXT
0	4	7
1	4	7
2	4	7
3	4	6
4	4	7
5	4	7
6	4	7
7	4	7
8	4	6
9	4	7
10	4	7
11	4	7
12	4	6
13	5	6
14	4	7
15	4	7
16	4	7
17	4	6
18	4	7
19	4	7
20	4	7
21	4	6
22	5	6
23	4	7
24	4	7
25	4	7
26	4	6
27	4	7
28	4	7
29	4	7
30	4	7
31	4	6

FIG. 1

2 / 25

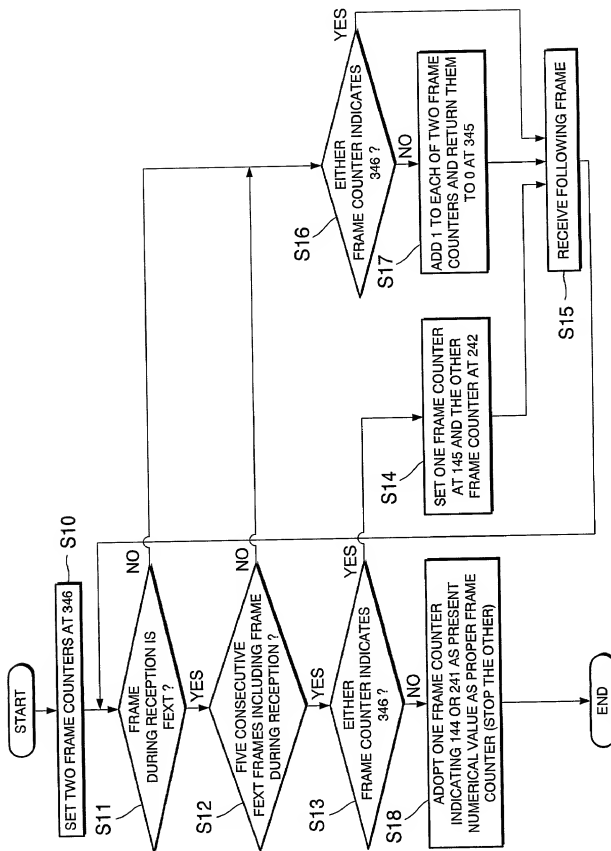


FIG. 2

102449-99321201

3/25

FIG. 3

0	0	1	2	3	4	5	6	7	8	9	10
1	11	12	13	14	15	16	17	18	19	20	21
2	22	23	24	25	26	27	28	29	30	31	
3	32	33	34	35	36	37	38	39	40	41	42
4	43	44	45	46	47	48	49	50	51	52	53
5	54	55	56	57	58	59	60	61	62	63	64
6	65	66	67	68	69	70	71	72	73	74	
7	75	76	77	78	79	80	81	82	83	84	85
8	86	87	88	89	90	91	92	93	94	95	96
9	97	98	99	100	101	102	103	104	105	106	107
10	108	109	110	111	112	113	114	115	116	117	118
11	119	120	121	122	123	124	125	126	127	128	
12	129	130	131	132	133	134	135	136	137	138	139
13	140	141	142	143	144	145	146	147	148	149	150
14	151	152	153	154	155	156	157	158	159	160	161
15	162	163	164	165	166	167	168	169	170	171	172
16	173	174	175	176	177	178	179	180	181	182	
17	183	184	185	186	187	188	189	190	191	192	193
18	194	195	196	197	198	199	200	201	202	203	204
19	205	206	207	208	209	210	211	222	223	224	225
20	216	217	218	219	220	221	222	223	224	225	
21	226	227	228	229	230	231	232	233	234	235	236
22	237	238	239	240	241	242	243	244	245	246	247
23	248	249	250	251	252	253	254	255	256	257	258
24	259	260	261	262	263	264	265	266	267	268	269
25	270	271	272	273	274	275	276	277	278	279	
26	280	281	282	283	284	285	286	287	288	289	290
27	291	292	293	294	295	296	297	298	299	300	301
28	302	303	304	305	306	307	308	309	310	311	312
29	313	314	315	316	317	318	319	320	321	322	
30	323	324	325	326	327	328	329	330	331	332	333
31	334	335	336	337	338	339	340	341	342	343	344

☒ TEXT FRAME
☐ NEXT FRAME

FIG. 3

4/25

LINE	FEXT	NEXT	DIFFERENCE
0.0	4	7	-3
1.0	4	7	-3
2.0	4	7	-3
3.0	4	6	-2
4.0	4	7	-3
5.0	4	7	-3
6.0	4	7	-3
7.0	4	7	-3
8.0	4	6	-2
9.0	4	7	-3
10.0	4	7	-3
11.0	4	7	-3
12.0	4	6	-2
13.0	5	6	-1
14.0	4	7	-3
15.0	4	7	-3
16.0	4	7	-3
17.0	4	6	-2
18.0	4	7	-3
19.0	4	7	-3
20.0	4	7	-3
21.0	4	6	-2
22.0	5	6	-1
23.0	4	7	-3
24.0	4	7	-3
25.0	4	7	-3
26.0	4	6	-2
27.0	4	7	-3
28.0	4	7	-3
29.0	4	7	-3
30.0	4	7	-3
31.0	4	6	-2

FIG. 4

20240909 09:07:01

5 / 25

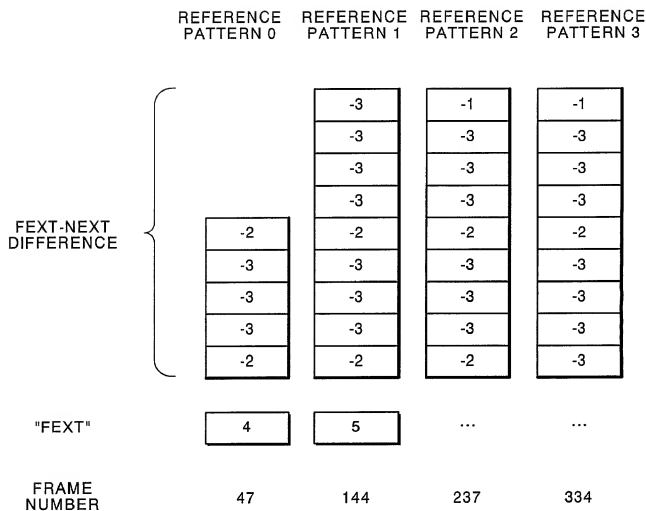


FIG. 5

6 / 25

		REFERENCE PATTERN 1		REFERENCE PATTERN 3
	REFERENCE PATTERN 0)	REFERENCE PATTERN 2)
n	REF[0,n]	REF[1,n]	REF[2,n]	REF[3,n]
9		-3		
8		-3	-1	-1
7		-3	-3	-3
6		-3	-3	-3
5	-2	-2	-3	-3
4	-3	-3	-2	-2
3	-3	-3	-3	-3
2	-3	-3	-3	-3
1	-2	-2	-3	-3
0	4	5	-2	-3

FIG. 6

[illegible]

FIG. 7

8 / 25

CONTENTS OF ARRAYS A

	DURING RECEPTION OF FEXT	DURING RECEPTION OF NEXT
A[9]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE FEXT FRAMES AND CONSECUTIVE NEXT FRAMES NINE LINE BEFORE	
A[8]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE FEXT FRAMES AND CONSECUTIVE NEXT FRAMES EIGHT LINES BEFORE	
A[7]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE FEXT FRAMES AND CONSECUTIVE NEXT FRAMES SEVEN LINE BEFORE	
A[6]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE FEXT FRAMES AND CONSECUTIVE NEXT FRAMES SIX LINE BEFORE	
A[5]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE FEXT FRAMES AND CONSECUTIVE NEXT FRAMES FIVE LINE BEFORE	
A[4]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE FEXT FRAMES AND CONSECUTIVE NEXT FRAMES FOUR LINE BEFORE	
A[3]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE FEXT FRAMES AND CONSECUTIVE NEXT FRAMES THREE LINE BEFORE	
A[2]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE FEXT FRAMES AND CONSECUTIVE NEXT FRAMES TWO LINE BEFORE	
A[1]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE FEXT FRAMES AND CONSECUTIVE NEXT FRAMES IN THE LINE BEFORE	
A[0]	NUMBER OF CONSECUTIVE FEXT FRAMES BEFORE FRAME DURING RECEPTION	DIFFERENCE BETWEEN NUMBERS OF THE NEAREST PREVIOUS CONSECUTIVE FEXT FRAMES AND CONSECUTIVE NEXT FRAMES BEFORE FRAME DURING RECEPTION

FIG. 8

9/25

FIG. 9

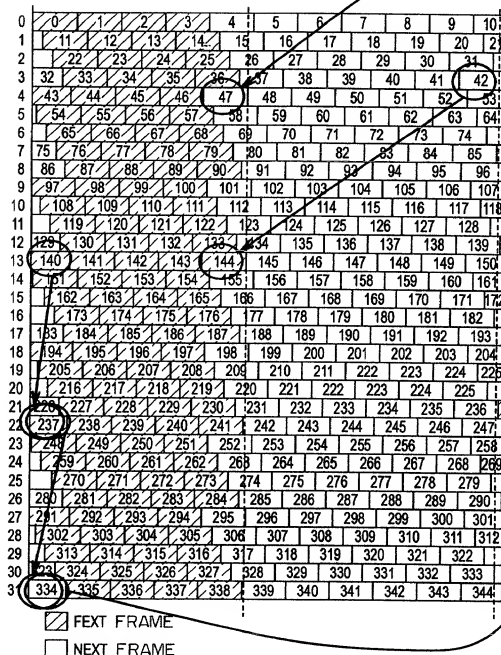


FIG. 9

10/25

LINE	NEXT	FEXT	DIFFERENCE
0.5	7	4	3
1.5	7	4	3
2.5	7	4	3
3.5	6	4	2
4.5	7	4	3
5.5	7	4	3
6.5	7	4	3
7.5	7	4	3
8.5	6	4	2
9.5	7	4	3
10.5	7	4	3
11.5	7	4	3
12.5	6	5	1
13.5	6	4	2
14.5	7	4	3
15.5	7	4	3
16.5	7	4	3
17.5	6	4	2
18.5	7	4	3
19.5	7	4	3
20.5	7	4	3
21.5	6	5	1
22.5	6	4	2
23.5	7	4	3
24.5	7	4	3
25.5	7	4	3
26.5	6	4	2
27.5	7	4	3
28.5	7	4	3
29.5	7	4	3
30.5	7	4	3
31.5	6	4	2

FIG.10

11 / 25

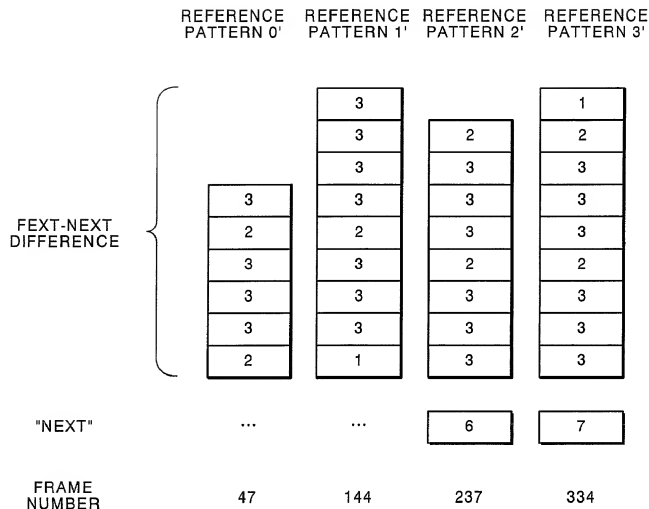


FIG. 11

12 / 25

	REFERENCE PATTERN 1'	REFERENCE PATTERN 3'	
REFERENCE PATTERN 0'	REFERENCE PATTERN 2'		
REF[0',n]	REF[1',n]	REF[2',n]	REF[3',n]
			1
	3	2	2
	3	3	3
	3	3	3
3	3	3	3
2	2	2	2
3	3	3	3
3	3	3	3
3	3	3	3
2	1	6	7

FIG. 12

13 / 25

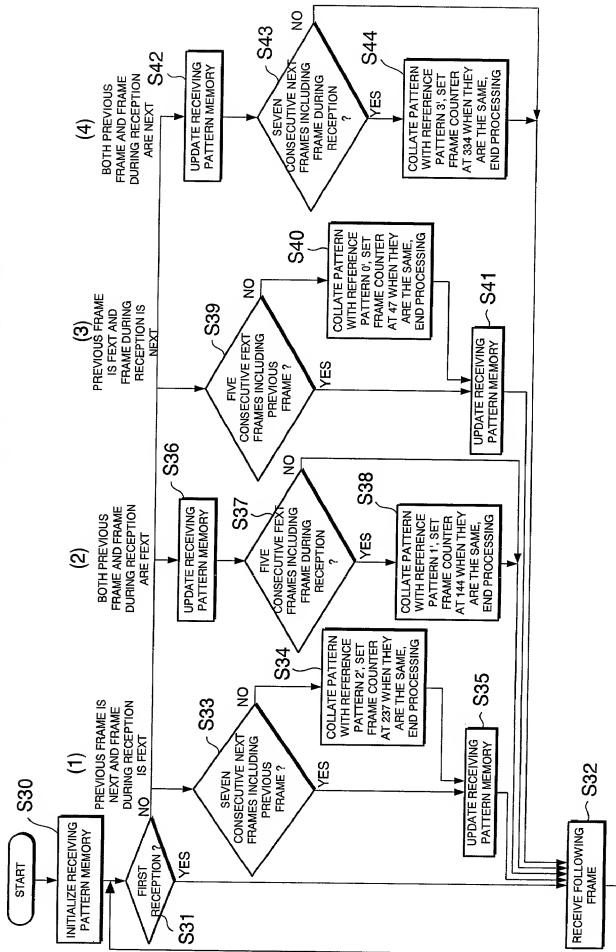


FIG. 13

14 / 25

CONTENTS OF ARRAYS B

	DURING RECEPTION OF TEXT	DURING RECEPTION OF NEXT
B[9]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE NEXT FRAMES AND CONSECUTIVE TEXT FRAMES NINE LINE BEFORE	
B[8]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE NEXT FRAMES AND CONSECUTIVE TEXT FRAMES EIGHT LINE BEFORE	
B[7]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE NEXT FRAMES AND CONSECUTIVE TEXT FRAMES SEVEN LINE BEFORE	
B[6]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE NEXT FRAMES AND CONSECUTIVE TEXT FRAMES SIX LINE BEFORE	
B[5]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE NEXT FRAMES AND CONSECUTIVE TEXT FRAMES FIVE LINE BEFORE	
B[4]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE NEXT FRAMES AND CONSECUTIVE TEXT FRAMES FOUR LINE BEFORE	
B[3]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE NEXT FRAMES AND CONSECUTIVE TEXT FRAMES THREE LINE BEFORE	
B[2]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE NEXT FRAMES AND CONSECUTIVE TEXT FRAMES TWO LINE BEFORE	
B[1]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE NEXT FRAMES AND CONSECUTIVE TEXT FRAMES IN THE LINE BEFORE	
B[0]	NUMBER OF CONSECUTIVE NEXT FRAMES BEFORE FRAME DURING RECEPTION	DIFFERENCE BETWEEN NUMBERS OF THE NEAREST PREVIOUS CONSECUTIVE NEXT FRAMES AND CONSECUTIVE TEXT FRAMES BEFORE FRAME DURING RECEPTION

FIG. 14

15/25

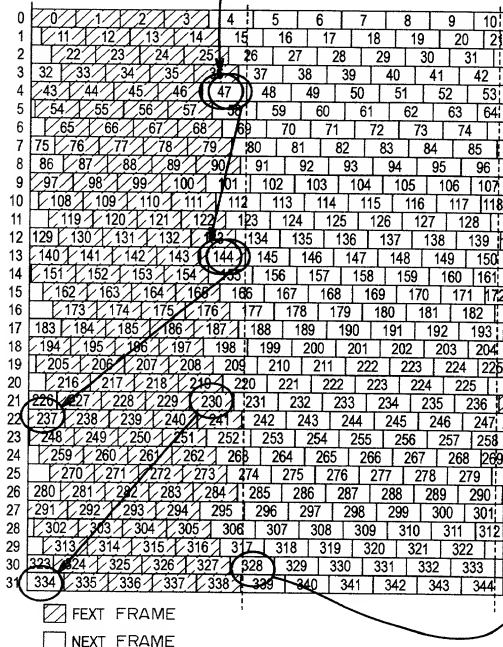


FIG. 15

16 / 25

WHEN FEXT-NEXT DIFFERENCE IS USED

REFERENCE PATTERN	FRAME SYNCHRONIZATION	HYPERFRAME SYNCHRONIZATION
0	238~334	47
1	335~344,0~42	144
2	43~140	237
3	141~237	334

FIG. 16

WHEN NEXT-FEXT DIFFERENCE IS USED

REFERENCE PATTERN	FRAME SYNCHRONIZATION	HYPERFRAME SYNCHRONIZATION
0'	231~328	47
1'	329~344,0~47	144
2'	48~144	237
3'	145~230	334

FIG. 17

WHEN FEXT-NEXT DIFFERENCE AND
 NEXT-FEXT DIFFERENCE ARE COMBINED

REFERENCE PATTERN	FRAME SYNCHRONIZATION	HYPERFRAME SYNCHRONIZATION
0	238~334	47
1'	335~344,0~47	144
2'	48~144	237
3	145~237	334

FIG. 18

17 / 25

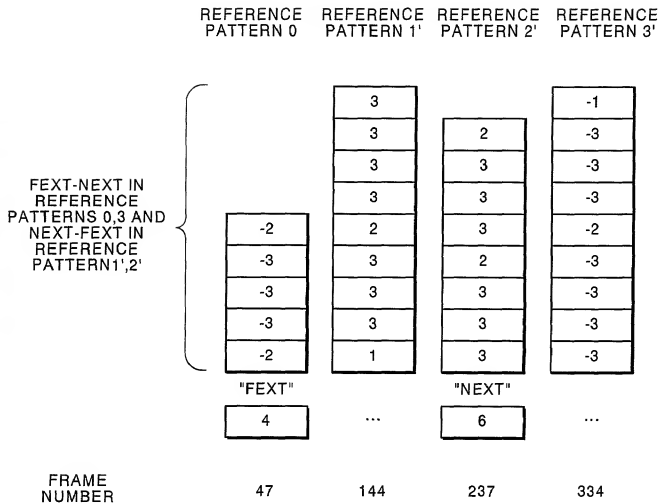


FIG. 19

18 / 25

REFERENCE PATTERN 1' REFERENCE PATTERN 3'
 REFERENCE PATTERN 0 REFERENCE PATTERN 2'

n REF[0,n] REF[1',n] REF[2',n] REF[3,n]

8		3	2	1
7		3	3	3
6		3	3	3
5	2	3	3	3
4	3	2	2	2
3	3	3	3	3
2	3	3	3	3
1	2	3	3	3
0	4	1	6	3

FIG. 20

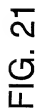


FIG. 21

20 / 25

CONTENTS OF ARRAYS A

	DURING RECEPTION OF FEXT	DURING RECEPTION OF NEXT
A[8]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE FEXT FRAMES AND CONSECUTIVE NEXT FRAMES EIGHT LINE BEFORE	
A[7]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE FEXT FRAMES AND CONSECUTIVE NEXT FRAMES SEVEN LINE BEFORE	
A[6]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE FEXT FRAMES AND CONSECUTIVE NEXT FRAMES SIX LINE BEFORE	
A[5]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE FEXT FRAMES AND CONSECUTIVE NEXT FRAMES FIVE LINE BEFORE	
A[4]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE FEXT FRAMES AND CONSECUTIVE NEXT FRAMES FOUR LINE BEFORE	
A[3]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE FEXT FRAMES AND CONSECUTIVE NEXT FRAMES THREE LINE BEFORE	
A[2]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE FEXT FRAMES AND CONSECUTIVE NEXT FRAMES TWO LINE BEFORE	
A[1]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE FEXT FRAMES AND CONSECUTIVE NEXT FRAMES IN THE LINE BEFORE	
A[0]	NUMBER OF CONSECUTIVE FEXT FRAMES BEFORE FRAME DURING RECEPTION	DIFFERENCE BETWEEN NUMBERS OF THE NEAREST PREVIOUS CONSECUTIVE FEXT FRAMES AND CONSECUTIVE NEXT FRAMES BEFORE FRAME DURING RECEPTION

FIG. 22

21 / 25

CONTENTS OF ARRAYS B

	DURING RECEPTION OF FEXT	DURING RECEPTION OF NEXT
B[8]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE NEXT FRAMES AND CONSECUTIVE FEXT FRAMES EIGHT LINE BEFORE	
B[7]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE NEXT FRAMES AND CONSECUTIVE FEXT FRAMES SEVEN LINE BEFORE	
B[6]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE NEXT FRAMES AND CONSECUTIVE FEXT FRAMES SIX LINE BEFORE	
B[5]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE NEXT FRAMES AND CONSECUTIVE FEXT FRAMES FIVE LINE BEFORE	
B[4]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE NEXT FRAMES AND CONSECUTIVE FEXT FRAMES FOUR LINE BEFORE	
B[3]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE NEXT FRAMES AND CONSECUTIVE FEXT FRAMES THREE LINE BEFORE	
B[2]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE NEXT FRAMES AND CONSECUTIVE FEXT FRAMES TWO LINE BEFORE	
B[1]	DIFFERENCE BETWEEN NUMBERS OF CONSECUTIVE NEXT FRAMES AND CONSECUTIVE FEXT FRAMES IN THE LINE BEFORE	
B[0]	NUMBER OF CONSECUTIVE NEXT FRAMES BEFORE FRAME DURING RECEPTION	DIFFERENCE BETWEEN NUMBERS OF THE NEAREST PREVIOUS CONSECUTIVE NEXT FRAMES AND CONSECUTIVE FEXT FRAMES BEFORE FRAME DURING RECEPTION

FIG. 23

22/25

0342666 042701

0	0	1	2	3	4	5	6	7	8	9	10
1	11	12	13	14	15	16	17	18	19	20	21
2	22	23	24	25	26	27	28	29	30	31	32
3	32	33	34	35	36	37	38	39	40	41	42
4	43	44	45	46	47	48	49	50	51	52	53
5	54	55	56	57	58	59	60	61	62	63	64
6	65	66	67	68	69	70	71	72	73	74	75
7	76	77	78	79	80	81	82	83	84	85	86
8	87	88	89	90	91	92	93	94	95	96	97
9	98	99	100	101	102	103	104	105	106	107	108
10	109	110	111	112	113	114	115	116	117	118	119
11	120	121	122	123	124	125	126	127	128	129	130
12	131	132	133	134	135	136	137	138	139	140	141
13	142	143	144	145	146	147	148	149	150	151	152
14	153	154	155	156	157	158	159	160	161	162	163
15	164	165	166	167	168	169	170	171	172	173	174
16	175	176	177	178	179	180	181	182	183	184	185
17	186	187	188	189	190	191	192	193	194	195	196
18	197	198	199	200	201	202	203	204	205	206	207
19	208	209	210	211	212	213	214	215	216	217	218
20	219	220	221	222	223	224	225	226	227	228	229
21	230	231	232	233	234	235	236	237	238	239	240
22	241	242	243	244	245	246	247	248	249	250	251
23	252	253	254	255	256	257	258	259	260	261	262
24	263	264	265	266	267	268	269	270	271	272	273
25	274	275	276	277	278	279	280	281	282	283	284
26	285	286	287	288	289	290	291	292	293	294	295
27	296	297	298	299	300	301	302	303	304	305	306
28	307	308	309	310	311	312	313	314	315	316	317
29	318	319	320	321	322	323	324	325	326	327	328
30	329	330	331	332	333	334	335	336	337	338	339
31	340	341	342	343	344						

☒ TEXT FRAME
☐ NEXT FRAME

FIG. 24

23 / 25

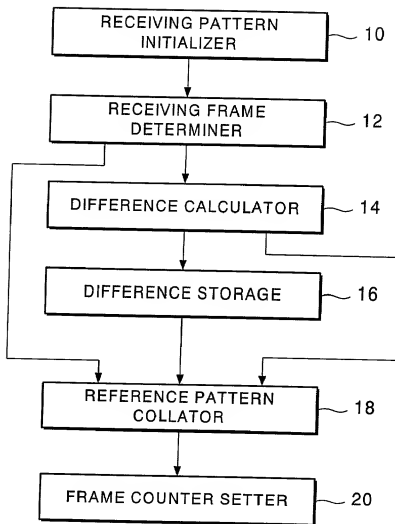


FIG. 25

24 / 25

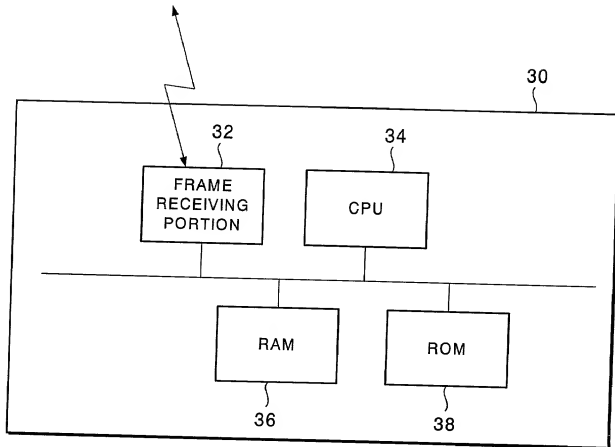


FIG. 26

25 / 25

LINE

0	0	1	2	3	4	5	6	7	8	9	10
1	11	12	13	14	15	16	17	18	19	20	21
2	22	23	24	25	26	27	28	29	30	31	
3	32	33	34	35	36	37	38	39	40	41	42
4	43	44	45	46	47	48	49	50	51	52	53
5	54	55	56	57	58	59	60	61	62	63	64
6	65	66	67	68	69	70	71	72	73	74	
7	75	76	77	78	79	80	81	82	83	84	85
8	86	87	88	89	90	91	92	93	94	95	96
9	97	98	99	100	101	102	103	104	105	106	107
10	108	109	110	111	112	113	114	115	116	117	118
11	119	120	121	122	123	124	125	126	127	128	
12	129	130	131	132	133	134	135	136	137	138	139
13	140	141	142	143	144	145	146	147	148	149	150
14	151	152	153	154	155	156	157	158	159	160	161
15	162	163	164	165	166	167	168	169	170	171	172
16	173	174	175	176	177	178	179	180	181	182	
17	183	184	185	186	187	188	189	190	191	192	193
18	194	195	196	197	198	199	200	201	202	203	204
19	205	206	207	208	209	210	211	222	223	224	225
20	216	217	218	219	220	221	222	223	224	225	
21	226	227	228	229	230	231	232	233	234	235	236
22	237	238	239	240	241	242	243	244	245	246	247
23	248	249	250	251	252	253	254	255	256	257	258
24	259	260	261	262	263	264	265	266	267	268	269
25	270	271	272	273	274	275	276	277	278	279	
26	280	281	282	283	284	285	286	287	288	289	290
27	291	292	293	294	295	296	297	298	299	300	301
28	302	303	304	305	306	307	308	309	310	311	312
29	313	314	315	316	317	318	319	320	321	322	
30	323	324	325	326	327	328	329	330	331	332	333
31	334	335	336	337	338	339	340	341	342	343	344

TEXT FRAME

NEXT FRAME

FIG. 27